

Notice of Allowability

Application No.

09/806,463

Applicant(s)

AHOLA ET AL.

Examiner

THUAN T. NGUYEN

Art Unit

2618

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to ____.
2. ☒ The allowed claim(s) is/are 1-20.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date ____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date ____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other ____. |

DETAILED ACTION

Remark

1. Claims 1-20 are pending for reconsideration, with claims 5-7, 11-14, and 17-20 are allowed in the previous office action; and claims 1-4, 8-10, and 15-16 are previously rejected.

Allowable Subject Matter

2. Claims 1-20 have been allowed.

Reasons for Allowance

3. The following is a statement of reasons for the indication of allowable subject matter:

The prior arts of record, either alone or in combination, does not disclose, teach or suggest a method of determining a home area for a subscriber terminal in a radio system wherein the method includes, *inter alia*, "... transmitting, from a base station, a command to the subscriber terminal after the location updating message has been received, wherein the command is to transmit the measurement results stored in the memory of the subscriber terminal; receiving the measurement results from the subscriber terminal; identifying the base stations with the greatest signal strengths at least partially based on the measurement results; and determining the home area of the subscriber terminal such that the home area includes at least one of the identified base stations ", as recited in independent claim 1, as amended. Further, the prior arts of record, either alone or in combination, does not disclose, teach or suggest a subscriber network element that includes, *inter alia*, "... means for transmitting, by a base station,

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a command to a particular subscriber terminal which transmitted the location updating message after the detection of the location updating message, wherein the command is to transmit the *measurement results stored in the memory* of the particular subscriber terminal...", as recited in independent claim 8, as amended.

The prior art of record does not teach or suggest each and every feature of the present invention for a wireless local loop radio system comprising: a plurality of subscriber terminals including: measuring means for measuring strengths of signals received from different base stations and for storing measurement results in a memory, and transmitting means for transmitting location updates to other parts of the system; a subscriber network element configured to communicate with an exchange and including transmitting means for transmitting telecommunication signals between the subscriber terminals and the exchange via the base stations; detecting means for detecting a location updating message transmitted by a particular subscriber terminal; command transmitting means for transmitting a command to the particular subscriber terminal after detecting the location updating message transmitted by the subscriber terminal, wherein the command is to transmit the measurement results stored in the memory of the subscriber terminal; receiving means for receiving the measurement results transmitted by the subscriber terminal; identifying means for identifying the base stations with the strongest signals at least partially based on the measurement results received from the subscriber terminal; and determining means, responsive to the identification means, for determining a home area for the subscriber terminal such that the home area includes at least one of the identified base stations as claimed in claim 5 and similarly in claims 11, 14 and 17.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

4. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to the New Central Fax number:

(571) 273-8300, (for Technology Center 2600 only)

Hand deliveries must be made to Customer Service Window,
Randolph Building, 401 Dulany Street, Alexandria, VA 22314.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tony Thuan Nguyen whose telephone number is (571) 272-7895. The examiner can normally be reached on Monday-Friday from 10:00 AM to 7:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Urban, can be reached at (571) 272-7899.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read 'Tony T. Nguyen', with a long, sweeping horizontal stroke extending to the right.

Tony T. Nguyen
Primary Examiner
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TTN
November 16, 2007